

Genomic DNA from *Escherichia coli*, Strain MS 85-1

Catalog No. HM-337D

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was obtained from a preparation of *Escherichia coli* (*E. coli*), strain MS 85-1.

E. coli, strain MS 85-1 was isolated on February 15, 2002 from the involved ileum of a patient with Crohn's ileitis in New York City, U. S. A^{1,2} and is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The whole genome shotgun sequence of *E. coli*, strain MS 85-1 is available (GenBank: [ADWQ00000000](#)).

HM-337D has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 0.7 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

HM-337D was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH as part of the Human Microbiome Project: Genomic DNA from *Escherichia coli*, Strain MS 85-1, HM-337D."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. [HMP 9350](#) (*Escherichia coli*, strain MS 85-1)
2. E. C. Boedeker, Personal Communication.

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